

Existing unintentional radiators impact the viability of the HF spectrum as it exists today. To knowingly utilize transmission lines that exist for the primary purpose of conveying "contained" 60 Hertz power to also "carry" broadband digital signals is ill-advised. The sheer nature of these power lines will cause and or allow them to radiate the fundamental, harmonics and intermodulation products of the imposed digital signal. This will create a radiated white noise that will render the spectrum severely degraded and impact current licensed users and services. Europe and Japan have recognized this potential degradation and rejected the technology to preserve the spectrum for the more important purposes and user functions. Please do not cause irreparable damage to a spectrum already degraded by other Part 15 radiators that continue to be marginally compliant and nearly impossible to police. The REAL risk far outweighs the common good.